USER MANUAL

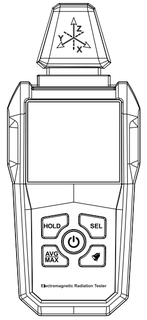
MADE IN CHINA

CE RoHS M101040056

Please read this manual carefully before using this product and keep it properly for future use

USER MANUAL

Electromagnetic Radiation Tester



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120*90mm

Introduction

This instrument is a digital electromagnetic radiometer with a precise electromagnetic radiation sensor, which can accurately detect the electromagnetic radiation of various electrical equipment through microchip processing. It has the functions of over-radiation alarm, digital and analog double display, color safety classification and character prompt. It's easy to use and simple to operate, which can measure magnetic field radiation, electric field radiation, environmental temperature, etc. And it's widely used for homes, offices, living areas, industrial equipment, power distribution rooms, high-speed rail, signal base stations, etc.

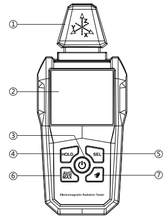
1. Safety information

Before operating or maintaining this instrument, please read the following information carefully and use it according to the instructions.

* After storage and transportation in harsh environment, check and confirm whether the instrument is damaged.
* The instrument should work within the specified temperature and humidity range.
* During use, if there is any abnormality or failure, it should be stopped.
* Do not store or use the instrument in direct sunlight, high temperature and humid environment.

* Non-professional maintenance personnel are forbidden to open, adjust or repair this instrument.
* If the instrument is stuck with dust, please wipe it with a clean and moist dust-free cloth, and it is forbidden to clean it with solvents or abrasives.
* Turn off the power supply after the instrument is used. If it is stored for a long time, please remove the battery to prevent from leakage and corrosion.
* When measuring, keep away from bare conductors or high-voltage devices to prevent electric shock injury.

2. The components



1.Electromagnetic induction probe
2.Display
3.(⏻) Power key
4.HOLD data hold key
5.SEL function selection key
6.Conversion key of AVG （average value） and MAX （maximum value hold ）
7.Alarm on/off key

3. Display



Symbols	Description
HOLD	Data hold
MAX	Maximum value hold
AVG	Average value
uT	Unit: micro Tesla
mG	Unit :milligauss
V/m	Unit: V/m
E-field	Electric field
H-field	Magnetic field
Safe	Safe warning
Harmful	Harmful warning
ALARM	Alarm warning
°C	Centigrade
°F	Fahrenheit
%	Percent
	Battery indication
	Automatic shutdown
	Temperature
	Ring
	Analog display

4. Technical parameters

Working height	2000m
Measurement mode	Electromagnetic induction
Display	VA reverse display color screen
Maximum display	9999
Sampling rate	About 0.4 second
Measuring range	V/m:0～9999/uT:0～74/mG:0～740
Resolution	V/m: 1/uT: 0.01/ mg: 0.1
Bandwidth	5-3500MHZ
Automatic shutdown	About 10 minutes
Operating current	About 20mA
Power supply	1.5V×3 AAA
Measuring temperature range	-10～60°C
Working temperature and humidity	0～60°C/0～85%RH
Storage temperature and humidity	-10～60°C/0～80%RH
Size	170×73×33mm
Weight	About 160g without battery

5. Instructions for use

1. Press the (⏻) power key for a long time to turn it on, and press it for a short time to turn it off.
2. Press the HOLD key shortly to lock the measured data, and press it long to convert °C/°F.
3.When measuring with the AVG/MAX key, press it shortly to convert the average value or the maximum value.
4. (🔔) Press shortly to turn on or off the alarm ring.
5.SEL function selection key, press shortly to change the measurement unit: uT/ micro Tesla, mG/ milligauss or V/m electric field measurement function.
6. Move the probe top of the instrument slowly towards the electromagnetic or electric field radiation source to be measured. When the analog number of electromagnetic radiation on the screen reaches the yellow area, the instrument starts to sound an alarm, and the screen also displays ALARM and Harmful prompts, indicating that the radiation exceeds the standard. The user should take protection measures or stay away from the radiation source.
7. Cancel the automatic shutdown function: press the HOLD key in the shutdown state, release the button when pressing the power button on the boot screen to light up, and the upper right corner of the display ( )When the automatic shutdown symbol disappears, the instrument cancels the automatic shutdown function. Restart after the manual shutdown, and restore the automatic shutdown function.

6. Radiation area

Unit	Green	Yellow	Red
uT	0.00-0.39	0.40-0.79	0.80-74.00
mG	0-3.9	4.0-7.9	8.0-740.0
V/m	0-39	40-79	80-9999

7. Replace the battery

① Turn off the power supply of the instrument.
② Use a screwdriver to remove the screw of the battery cover on the back of the instrument.
③ Remove the battery cover and the old battery.
④ Replace with new 1.5V x 3AAA batteries.
⑤ Install the battery cover and tighten the fixing screws.

8. Annexes

Name	Quantity
Instrument	1
Instruction manual	1
Bag	1
Alkaline battery 1.5V /AAA	3